



8931-C MAJSLIN DRIVE, TAMPA, FL 33637

FOR 24 HOUR EMERGENCY: CALL CHEM.TEL 1-800-255-3924

FOR INFORMATION: (813) 988-4910

C.A.S. NO.: Mixture Proprietary

REVISION DATE: May 7, 2003

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

TRADE NAME: Step 2 Terrazzo Sealer & Brightener

DOT SHIPPING NAME: N/A (For Export: Resin Solution)

LABEL REQUIRED: None

DOT/UN ID NO.: N/A (For Export: UN 1866) DOT CLASS: N/A (For Export: 3) PACKING GROUP: N/A (For Export: III)

2. INFORMATION ON HAZARDOUS INGREDIENTS

MATERIAL	C.A.S. NO.	PEL	TLV/TWA	TLV/STEL
Aliphatic Hydrocarbons (Stoddard Type)	8052-41-3	100 ppm	100 ppm	N/A
Acrylic Resin	Proprietary	100 ppm	100 ppm	N/A

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Combustible liquid and vapor (flammable if shipped by air/vessel). Inhalation may cause dizziness, headache and incoordination. Ingestion can cause dizziness, faintness, headache, incoordination, inflammation of the lungs, moderate eye irritation, respiratory tract irritation, digestive tract irritation, nausea, vomiting, pain, upset stomach and diarrhea. Inhalation may cause nausea, vomiting and upset stomach. Prolonged or repeated contact may dry skin and cause irritation. See sections 3, 5 and 6.

POTENTIAL HEALTH EFFECTS:

EYES: Exposure may cause mild eye irritation. Symptoms may include stinging, tearing and redness.

SKIN: Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking and skin burns. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.

INHALATION: Exposure to vapor or mist is possible. Short-term inhalation toxicity is low. Breathing small amounts during normal handling is not likely to cause harmful effects; breathing large amounts may be harmful. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits

INGESTION: Single dose oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage.

SYMPTOMS OF EXPOSURE: Signs and symptoms of exposure to this material through breathing, swallowing and/or passage of the material through the skin may include: gastrointestinal irritation (nausea, vomiting, diarrhea), irritation (nose, throat, respiratory tract), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

TARGET ORGAN EFFECTS: No data.

DEVELOPMENTAL INFORMATION: No data.

CANCER INFORMATION: Based on the available information, this material cannot be classified with regard to carcinogenicity. This material and its components are not listed as carcinogens by IARC, NTP or OSHA.

OTHER HEALTH EFFECTS: No data.

PRIMARY ROUTES OF ENTRY: Inhalation, skin contact, eye contact.

4. FIRST AID MEASURES

EYES: If symptoms develop, move victim away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

INHALATION: If symptoms develop, immediately move victim away from exposure and into fresh air. Seek immediate medical attention; keep victim warm and quiet. If victim is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

INGESTION: Seek medical attention. If victim is drowsy or unconscious, do not give anything by mouth; place victim on the left side with head down. Contact a physician, medical facility or poison control center for advice about whether to induce vomiting. If possible, do not leave victim unattended

5. FIRE FIGHTING MEASURES

FLASH POINT: 105.0° F (40.5° C) TCC

FLAMMABLE LIMITS: Lower: 1.0% Upper: 7.0%

EXTINGUISHING MEDIA: Regular foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURE: Wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

UNUSUAL FIRE EXPLOSION HAZARD: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

AUTO IGNITION TEMPERATURE: 490.0° F.

HAZARDOUS DECOMPOSITION PRODUCTS: May form: carbon monoxide and carbon dioxide, various hydrocarbons and acrylic monomers.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid on vermiculite, floor absorbent or other absorbent material.

LARGE SPILL: Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from the area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

7. HANDLING AND STORAGE

Containers of this product may be hazardous when emptied. Since emptied containers retain product residues (vapors, liquid and/or solid), all hazard precautions given in the data sheet must be observed. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids. **WARNING:** Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist).

Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION REQUIREMENTS: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other types of safety glasses. Consult your safety representative.

SKIN PROTECTION: Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 334° F.

VAPOR DENSITY: Less than air.

SPECIFIC GRAVITY (H₂O = 1): .82

DENSITY (LB/GAL): 6.8073

PERCENT VOLATILE BY VOLUME (%): 84%

EVAPORATION RATE: Less than ether.

SOLUBILITY IN WATER: None.

pH: N.D.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions of use.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: May form: carbon monoxide, carbon dioxide, various hydrocarbons and acrylic monomers.

KEEP AWAY FROM: High temperatures and strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No data available.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORTATION INFORMATION

	DOMESTIC	EXPORT
DOT SHIPPING NAME:	N/A	Resin Solution
DOT HAZARD CLASS:	N/A	3
UN/NA NUMBER:	N/A	1866
PACKING GROUP:	N/A	III
PRODUCT RQ (lbs):	N/A	N/A

DOT PLACARD:	N/A	Flammable
PRODUCT LABEL:	N/A	Flammable

15. REGULATORY INFORMATION

US Federal Regulations

TSCA (toxic Substance Control Act) Status

TSCA (United States) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4

None.

SARA 302 Components - 40 CFR 355 Appendix A

None.

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate [] Delayed [] Fire [X] Reactive [] Sudden Release of Pressure []

SARA 313 Components - 40 CFR 372.65

None.

International Regulations

Inventory Status

DSL (Canada) The intentional ingredients of this product are listed.

State and Local Regulations

California Proposition 65

None

New Jersey RTK Label Information

Stoddard Solvent

8052-41-3

Non-hazardous trade secret ingredient(s)

Pennsylvania RTK Label Information

Stoddard Solvent

8052-41-3

Non-hazardous trade secret ingredient(s)

16. OTHER INFORMATION

HEALTH	FLAMMABILITY	REACTIVITY	SPECIAL HAZARD
1	2	0	N/A

(Degree of hazard: 0 = No Hazard, 4 = Severe Hazard)

USERS RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions - in addition to those described herein - are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

< = Less Than

> = More Than

N/A = Not Applicable

ND = Not Determined